

CLAIMS:

We claim:

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1. A business logic server for forming priority data structures, the business logic server comprising, in combination:

a memory;

a processing module communicatively coupled to the memory,

10 wherein the processing module receives at least one transmission rule and a data download and stores the at least one transmission rule and the data download in the memory;

wherein the processing module is programmed to format the at least one transmission rule into at least one priority data structure and stores the priority data structure in the memory;

15 wherein the processing module is programmed to create an input file in the memory and format the data download into the input file; and

wherein the processing module transmits the input file and the at least one priority data structure from the memory to a network logic server.

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2. The business logic server of claim 1, wherein the processing module receives a transaction report from the network logic server, and wherein the transaction report includes a result code, wherein the processing module extracts the code from the transaction report and stores the code in a log file.

3. The business logic server of claim 1, wherein the at least one priority data structure comprises a priority mapping table.

5 4. The business logic server of claim 1, wherein the at least one priority data structure comprises an off-peak setting table.

5. The business logic server of claim 1, wherein the at least one priority data structure comprises a resource allocation table.

10 6. The business logic server of claim 1, wherein the at least one priority data structure includes a priority mapping table, an off-peak setting table, and a resource allocation table.

15 7. The business logic server of claim 1, wherein the data download comprises a PRL.

8. A method of forming at least one priority data structure and an input file, the method comprising:

20 receiving at least one transmission rule;

establishing in a data storage medium at least one priority data structure that defines the at least one transmission rule;

receiving a data download;

establishing in a data storage medium an input file;
formatting the data download into the input file; and
transmitting the input file and the at least one priority data structure to a network logic server.

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9. The method of claim 8 further comprising:
receiving a transaction report from the network logic server;
examining the transaction report for a result code; and
placing the result code in a log file.

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10. A business logic server comprising, in combination:
means for receiving at least one transmission rule;
means for establishing in a data storage medium at least one priority data structure
that defines the at least one transmission rule;
means for receiving a data download;
means for establishing in a data storage medium an input file;
means for formatting the data download into the input file; and
means for transmitting the input file and the at least one priority data structure to a
network logic server.

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